



HCA Trident Medical Center

About HCA Trident Medical Center

HCA Trident Medical Center is a 321-bed major medical center located in Charleston, South Carolina. It is a Certified Comprehensive Stroke Center through The Joint Commission.

The Problem

Despite increased patient volumes due to the COVID pandemic and the subsequent demands on nursing staff, HCA Trident Medical Center maintained the necessary focus and dedication needed to continue improving their stroke program.

The Result

Throughout 2020, the Trident stroke team made a deliberate effort to keep stroke care a high priority. They ensured proper education support was provided to frontline staff and continued to follow American Stroke Association best practices and our recommendations. Actions that led to success include:

- Participating in monthly process improvement meetings with their assigned Quality Program Specialist and Regional Medical Director, where they reviewed all alteplase cases greater than 45 minutes for opportunities to improve their process
- A Q1 site visit with their Quality Program Specialist to walk current stroke alert processes at Trident along with their associated sister facility, Summerville Medical Center, and their FSEDs
- Staying on task with their planned stroke education month activities in May, including inpatient mock code stroke drills, despite the additional demands caused by COVID
- Continuing to have their Stroke Coordinator support the ED and partake in as many code strokes as possible, furthering education to newer staff
- Utilizing monthly new hire orientations as an opportunity to introduce the stroke process
- Focusing on monthly interdisciplinary stroke meetings to review outliers, conduct root cause analysis, and provide one-on-one feedback for any opportunities identified

The Takeaways

- ✓ The COVID pandemic caused a rise in patient volume and a strain on nursing resources
- ✓ The hospital focused on our recommendations to improve stroke care
- ✓ The average DTN time improved by 19%

Trident Door-to-Needle Comparison 2019-2020

